

SERVICE INFORMATION LETTER

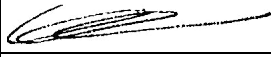
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New Software Release Announcement for Beran PlantProtech 7600 PCMS & PROTOR Mobile

We are excited to announce the latest update in Beran Instruments' ongoing commitment to product enhancement. As part of our continuous product improvement program, we are pleased to offer a new software release for the Beran PlantProtech 7600 PCMS & PROTOR Mobile product suite. The following version is now available for upgrade:

- **Version 3.1.0**

Please note, it is essential that all product modifications, including software upgrades release files, are supplied by a Beran authorised Service Centre to ensure quality and compliance.

Software V3.1.0 updates:

State Change Alarm Delay

This functionality introduces a delay in alarm activation following a state change in the system. This delay prevents alarms from triggering during the initial phase of the system's plant operation, such as its warm-up period, ensuring that alarms are only activated when there's genuine cause for concern. An example of this update can be seen in **Figure 1** below.

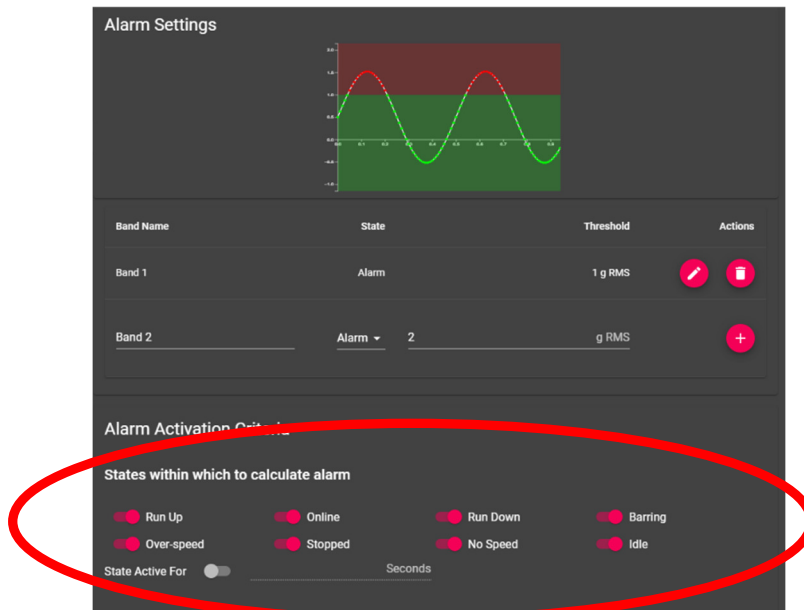


Figure 1 - State Change Alarm Delay

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Alarm Values on Ellipse/Vector Graphs

With this update, users can now see specific alarm values directly on Ellipse/Vector Graphs. This visual representation makes it easier for users to review and understand the machine's performance and functional status, enhancing the monitoring and analysis process. An example of this update can be seen in **Figure 2** below.

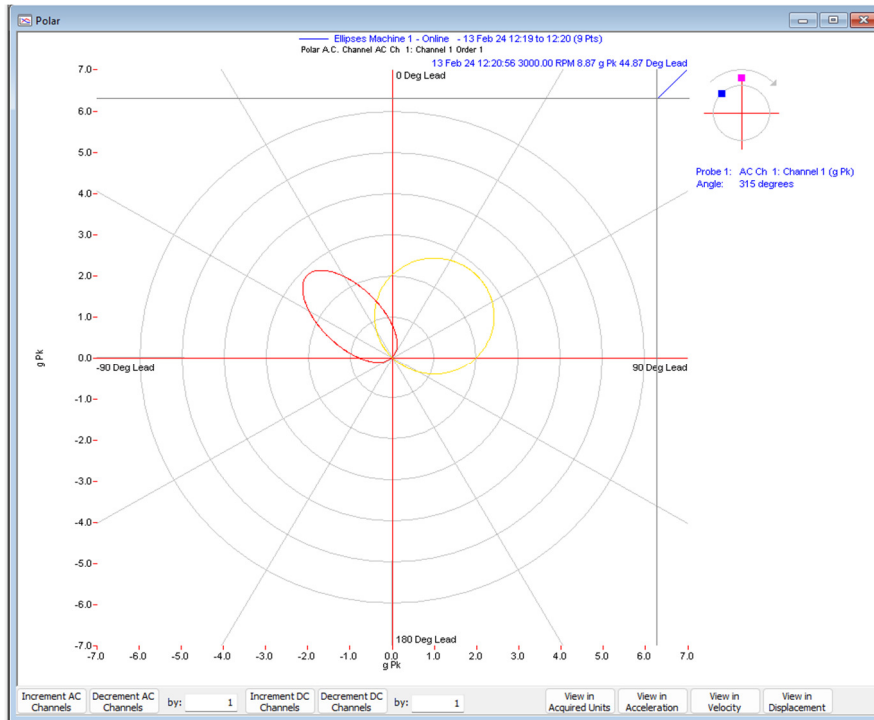


Figure 2 - Alarm Values on Ellipse/Vector Graphs

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Setting Up Pre-Activation Measurements for Step Alarms

This feature enables users to define a specific number of measurements that must be recorded before a step alarm is activated. This ensures the user can confirm that the required condition or 'step' has been consistently maintained over those measurements before the alarm triggers. An example of this update can be seen in **Figure 3** below.

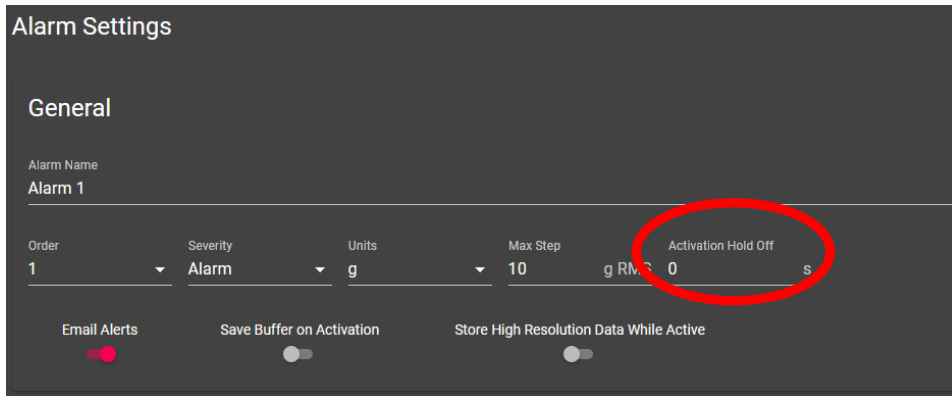


Figure 3 - Setting Up Pre-Activation Measurements For Step Alarms

Copy & Paste from Alarm List Log

This new feature enhances the functionality of the alarm log by allowing users to copy entries directly from the alarm log and paste them into third-party applications, such as Microsoft Word & Google Docs. This facilitates easier documentation, reporting, and analysis of alarm log data outside the original system environment. An example of this update can be seen in **Figure 4** below.

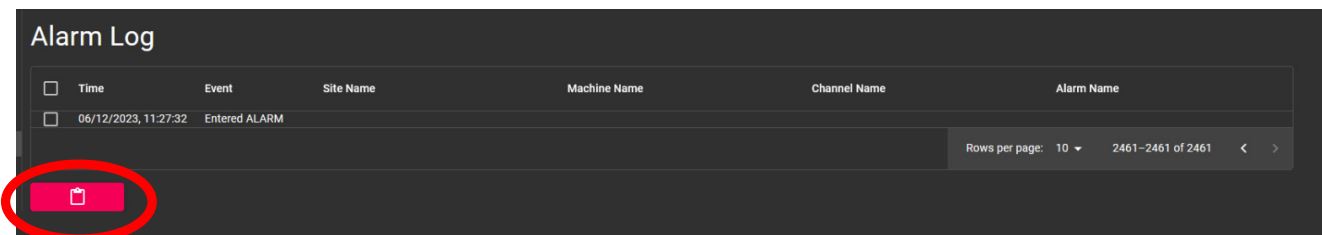


Figure 4 - Copy & Paste From Alarm List Log

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Machine-Wide FFT Logging for All Acquisition States

This feature enables users to configure FFT (Fast Fourier Transform) logging on a per-machine basis, rather than per individual monitor. This approach ensures that FFT data is consistently logged across all states of machine acquisition, providing continuous data availability. It simplifies the configuration process, making it more user-friendly and less confusing. An example of this update can be seen in **Figure 5** below.

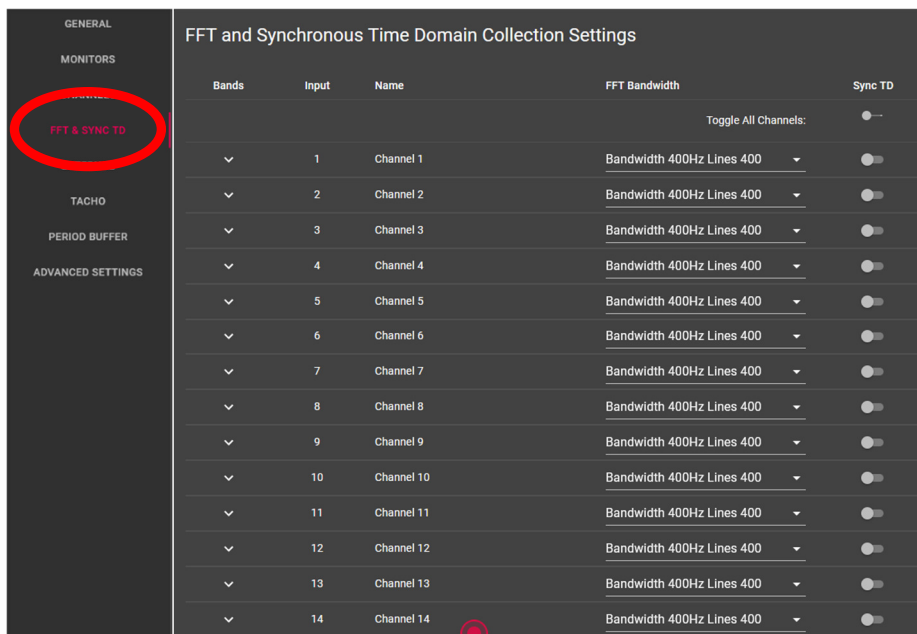


Figure 5 - Machine-Wide FFT Logging For All Acquisition States

Inclusion of Async Time Domain (FFT's) in Last Period Buffer Saves

This feature is designed for users who require their last period buffer saved files to incorporate AsyncTD (FFT's - Fast Fourier Transforms). With this functionality, the FFT's are now part of the last period buffer. When a user saves the last period buffer the FFT's/Async time domains are now additionally saved when the user either saves the buffer manually or has the auto saved enabled when the specific alarm is triggered.

Enhanced Data Export Feature for PCMS/PROTOR Mobile Users

This new feature requires the installation of the latest version of PlantProtech Auto Analyser Downloader Software Application (PPAAD). This enables users to export PlantProtech™ 766 Rotating Plant analyses data files from Beran PlantProtech 7600 PCMS/PROTOR Mobile, these files will include FFT (Fast Fourier Transform) data from the most recent buffer saves. This integration guarantees consistency, allowing users to access the same FFT data on both Beran PlantProtech 7600 PCMS/PROTOR Mobile and PlantProtech Basestation platforms.



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